09/862690 COFC

1133279-0004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,169,175 B2

Issued : January 30, 2007

Patentees : Cottone et al.

For : SELF-EXPANDING STENT

Certificate JAN 28 2009 of Correction

Certificate of Mailing Under 37 C.F.R. § 1.8

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail on the date indicated below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Richard J. Sterner — 35,372
Agent Name — PTO Reg. No.

Richard J. Sterner — January 21, 2009
Signature — Date of Signature

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 C.F.R. §1.322(a))

1. It is noted that printing errors appear in the referenced patent which are attributable to the Office.

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2. The location of the errors in the issued patent and the exact pages and line numbers where the errors are shown correctly in the application file are:

Column and Line Number of Issued Patent	Location in Application File Where the Error is Shown Correctly
Claim 1, col. 7, line 31: "lank" should read --link--.	Amendment and Response submitted May 23, 2005, page 4.
Claim 30, col. 10, line 15: "tour" should read --four--.	Original claim 33, as part of application filed May 22, 2001, page 20.

3. Both of the errors listed in the table above are attributable to the Office.

4. Patentees request correction of the printing errors by Certificate of Correction. Attached is a copy of Form PTO/SB/44 (also Form PTO-1050).

5. Please send the Certificate to the undersigned Agent.

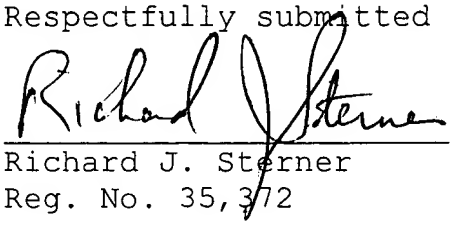
6. In the interest of further assisting the Office in considering and processing this Request, Patentees are also providing herewith copies of the appropriate pages of their May 23, 2005 Amendment and Response and appropriate pages of the application as filed referred to in the table above. The relevant passages from these pages have been circled.

7. No fees should be due in connection with this communication. However, should it be determined that a fee is

required for any reason, the Commissioner is hereby authorized to charge it to Deposit Account No. 23-1703.

Dated: January 21, 2009

Respectfully submitted



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Enclosures

1) Pages 1 and 4 of Patentees' May 23, 2005 Amendment and Response;
2) Pages 1 and 20 of application as filed on May 22, 2001; and
3) Form PTO/SB/44 with requested corrections.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Cottone et al.
Serial No.	:	09/862,690
Filed	:	May 22, 2001
For	:	SELF-EXPANDING STENT
Examiner	:	Sarah K. Webb
Group Art Unit	:	3731

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. §1.8

I hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademark Office on the date indicated below at the facsimile number 703-872-9306.

Richard J. Sterner — 35,372
Agent Name — PTO Reg. No.

Signature — May 23, 2005
Date of Signature

Attention: Examiner Sarah K. Webb

Group Art Unit: 3731

Facsimile No.: 703-872-9306

No. of Pages: 19

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Sir:

This is in response to the final Office Action mailed November 24, 2004 and to the Advisory Action mailed March 29, 2005. This communication also serves as the response required

Please amend the application as follows:

In the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A self-expanding stent comprising a lattice,

wherein the lattice comprises a first and a second helix forming a hollow tube having a longitudinal axis and no free ends;

wherein the first helix comprises a plurality of nonsinusoidal undulations,

wherein the second helix comprises a plurality of elongate link connection elements in series with the undulations, and the connection elements connect fewer than all of the undulations in adjacent turns of the first helix, and

wherein the first and second helices proceed circumferentially in opposite directions along the entire longitudinal axis of the hollow tube.

2. (original) The self-expanding stent of claim 1, wherein each undulation is formed from ascending and descending arms connected together at a junction point.

3. (original) The self-expanding stent of claim 2, wherein the connection element extends between the junction points lying on adjacent undulations.

4. (previously presented) The self-expanding stent of claim 3, wherein the number of connection elements in each 360 degree turn of the first helix is at least two.

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SELF-EXPANDING STENT

This application claims the benefit of U.S. Provisional Application No. 60/206,211, filed May 22, 2000.

FIELD OF THE INVENTION

The present invention relates to flexible stents that are implanted in a lumen in the body and in particular in blood vessels.

BACKGROUND OF THE INVENTION

Stents are scaffolds which are positioned in diseased vessel segments to support the vessel walls. Stents are used in angioplasty to repair and reconstruct blood vessels. Placement of a stent in the affected arterial segment prevents elastic recoil and closing of the artery. Stents also prevent local dissection of the artery along the medial layer of the artery. Stents may be used inside the lumen of any physiological space, such as an artery, vein, bile duct, urinary tract, alimentary tract, tracheobronchial tree, cerebral aqueduct or genitourinary system. Stents may also be placed inside the lumen of human as well as non-human animals.

In general there are two types of stents: radially, self-expanding and radially, balloon-expandable. The balloon-expandable stent is placed in a diseased segment of a vessel by inserting an unexpanded stent into the affected area within the vessel The stent is expanded by positioning a balloon inside the stent and inflating the balloon to expand the stent. Inflation remodels the arterial plaque and secures the stent within the affected vessel. One problem with balloon stents is

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33. A self-expanding stent comprising a lattice, wherein the lattice comprises two different types of helices forming a hollow tube having no free ends, the first type of helix being formed from a plurality of zigzags, the second type of helix being formed from a plurality of connection elements in series with the zigzags, wherein there are four connection elements in each 360 degree turn of the first type of helix and the first and second types of helices proceed circumferentially in opposite directions along the longitudinal axis of the hollow tube.

PTO/SB/44 (09-07)
Approved for use through 08/31/2010. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,169,175 B2

SERIAL NO. : 09/862,690

ISSUE DATE : January 30, 2007

INVENTOR(S) : Cottone et al.

Claim 1, col. 7, line 31: "lank" should read --link--.

Claim 30, col. 10, line 15: "tour" should read --four--.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.